

10/578701

Sequence Listing.ST25
SEQUENCE LISTING

IAP12 Rec'd PCT/PTO 09 MAY 2006

<110> BioVentures, Inc.
Vanderbilt University
Dawson, Elliot P.
Phillips, John A.
Womble, Kristie E.

<120> Method and Substances for Diagnosing Dyslexia

<130> 14160-2PCT

<150> 60/520,366

<151> 2003-11-14

<160> 25

<170> PatentIn version 3.2

<210> 1

<211> 3664

<212> DNA

<213> Homo sapiens

<400> 1

gaattaagca	ttttagcatt	ctttattaat	ttttcaaagt	cactaggacc	aaggataaca	60
attcatcatg	tgcatacaag	gccattctgt	gtttcctact	cttgccttgg	gctcatcatt	120
attaatctgg	aattccattt	gttcttcact	ttttgaatat	gtctgttttag	ttgactgtag	180
tgccactggc	aggaccatgt	gccagggaaa	tccaagactc	atatttggac	gaaagctatg	240
tccacttttc	aactagtacc	cctacccaaa	ttaccatagc	aaccaaaaaa	ttgcagatgc	300
ctacatttcta	gaatcatggt	ctaaagggat	gtcatcattt	acaaaatgtc	tttgttgagt	360
ctgaatgggt	caaacaatag	caaaaaagga	ttattttctt	cttggacatt	tcaaagtact	420
atgacacaaa	atatccaaga	cttgttatgg	tgaggagcca	agtggaatgg	aaaggacagc	480
tcatcccggc	ggctgggagt	gcatgcacac	acatgcccc	tttttcttgc	ctactaacag	540
gatctataga	aggcgtacat	aatgagtatg	taggggactt	ggctgctttc	agttaggaat	600
gagacactga	tatggttgga	atatagtaag	agaaaaaggg	aggtctttct	taaaaaacgg	660
ttttgtgtaa	aatagagat	ggcacttaat	ggatatcata	ttagcaggct	ccctggacaa	720
atacatagag	ccaaaacttc	tcatcgatta	gccacctctt	caagtttagg	ggttgaaaat	780
ctgaaacaac	tacaaacatg	gtatctctct	gaaaaggaga	taacgtaaaa	gttatcacat	840
attaatataa	tgtgtatgaa	taaattgaca	agctggttag	aaattagaaa	taaaagtctt	900
gaggcaataa	aagaggtaat	aacataggca	aaaagagctc	ttcttctgga	gagtggttgt	960
agatggagta	aacaagttta	ggtactgaac	tgagaatagc	acatggatag	accaattgtg	1020
gatgaaggag	actaaagaga	ggtttaacga	atattgaaat	gaacctccag	gtaggttgta	1080
tttattagtt	tgctgggaac	aagctgcttt	tctctctcct	gtgaagcagg	aaggcaaatt	1140

Sequence Listing.ST25

tctagtggct	ttccaaagga	aatgggaaat	ctaaggaaat	ggtttgatac	cagagtgttc	1200
tccttaggtt	tattttaatg	atggacttaa	agatactttc	ctatactcat	gagctatggt	1260
gtctctgata	ttctttggta	tattttacca	aaaagataga	ataggtgcca	caagtattaa	1320
aaattttaga	ctcctcagag	cattacaaaa	aacaagcaca	aatagaagc	ctaatatgca	1380
gggaaagtca	ctgaccatgc	ccttggtact	gctgattgta	ttgcagagca	agagatggac	1440
cctgagggta	cttgaagcca	acaagtttca	cttctggaaa	aagacttcag	aatatgagtt	1500
taaaatataa	aaaggggaatt	tgagccaaga	cacaagaaca	aacttttttt	gacaattata	1560
tctttattat	tcctcttaca	gagctacatt	tactcttact	aagtttcaga	gtcaggtagt	1620
aatttacagt	aagactgaat	taccatccat	aacgttagat	gtccttattg	aaacttcaac	1680
atcatttcca	aatatcagca	ttagcattgt	gcttgacatt	catttaacga	agttactgaa	1740
aatctattaa	gtataagaca	tcagttattt	ttaatagaag	tttctgaaaa	catttcagca	1800
aatagcctg	ttgagaaaaa	tgtgtatgct	gaaaaaaaaa	aatgaacaaa	taggaaagcc	1860
tggttcacaa	acaggtgtca	gggaaataga	cagtactttt	atagtaataa	cataagaaca	1920
aacttcttga	aggtaagttt	tattaaataa	taggacaaca	acaagataaa	atgacttctt	1980
cctgatattt	atatattgat	tgctggctgg	tcataagact	gttttttaggc	aacgtgtttt	2040
gaaaaaccag	aaagtctact	accttgagtt	ttcagccacg	tgagaatagc	aagattcagt	2100
gtttatactt	gatagcatct	taattaggcc	tacaggcctc	cctttcacat	aactaccttc	2160
aagtttatga	cagctcaaac	tcacaattat	cattatggag	aagagagaag	agttaagcta	2220
aaaacagacc	actttcagag	gacctgaaag	caacgtaatc	agtcacctat	tgccatatac	2280
aagccacccc	caaacataat	gacttaaaac	agcgatcatc	tattattgct	tatgagtctc	2340
tgagtcagct	gaacattcct	gctgatctgg	gcttggttag	gcttatttta	gctgtgttca	2400
ttcttggtct	gcagatagct	gacaatcacc	taggggctga	ctgtaggcat	tccagctgag	2460
atatgctctc	tgtgtctttt	atccttttagc	aggaggaggc	ttgctcacag	ggtgggttaca	2520
ggcatccaag	agagtcagca	taaatgtgaa	aagttttcaa	aatatcagat	tcagtcctat	2580
gtaatctggg	ttccattgca	ttctcttggc	cagagcaagt	tgcaagacaa	gtccaaattc	2640
aagaagggtca	agaaatacac	tccatctcca	ggtaggagaa	gctgcaaaga	actgtgacaa	2700
tctatgacaa	atagtatggt	caaaggggaat	aatatgggaa	gatgtgccct	ccgccaactt	2760
ctcagggaaa	aatacagctt	ttgtaaatatt	tagtaatata	gactgtctaa	tatttctaga	2820
gaaatctatg	actttgagtt	gaaatatctg	aggccaacac	tccaagcaat	tttaacaag	2880
tggtgacaga	aattaccaga	cacacatcaa	gactcaagta	taaagctata	caatttaagg	2940
atgctcagca	aatgttactg	aattgactgg	gtagtcccta	aagagctgaa	gaataaaaga	3000
tgttatgaga	aatccaacaa	taccaaatat	aaattgcctc	aggttctgaa	atattcaata	3060

Sequence Listing.ST25

```

aagtattctc actgtagttc cttcagctta gctgatttgg actttggctg tgaaaacatt 3120
atcctcagtg tttaaaaggt tggaaaattc tactgggtct ttggcccaac ctggaattaa 3180
atcctgatgc ttagaacctc aaagtctaaa atcttctatt gtcactttac agagctattg 3240
aaacatatta ataaacttgt atcatactga tttgattcta atttttgtgg gacattgttt 3300
aaaaattggt gaaatgcata tatggaaaat tgatttttta agtaaatagt taacttttaa 3360
aattgtatcc tacatctaac tccaaataaa ggtttaaaaa caactatgag caatataagt 3420
aatacattta aaatacattt aagagaaaga taaggaaaaa aggaatgact catgaagggt 3480
agtacacaat ctatgcatct tgaatatattg cacacttacc aagtatttgg ctccagggtt 3540
tctggcagct aatgcaaaga gaggaacaga atcaagtttc atggtattat ctggtagact 3600
gtggaagcta tagcatttct gccccctcat gttttcacat tcccctttag agaacagcac 3660
aata 3664

```

```

<210> 2
<211> 22
<212> DNA
<213> Artificial

```

```

<220>
<223> Artificial Sequence

```

```

<400> 2
actaagaagt gcattagtcg gg 22

```

```

<210> 3
<211> 20
<212> DNA
<213> Artificial

```

```

<220>
<223> Artificial Sequence

```

```

<400> 3
ttcctgtgct ctagcttgct 20

```

```

<210> 4
<211> 20
<212> DNA
<213> Artificial

```

```

<220>
<223> Artificial Sequence

```

```

<400> 4
tgcaaatacta tgctgcaaaa 20

```

```

<210> 5
<211> 20
<212> DNA

```

Sequence Listing.ST25

<213> Artificial
 <220>
 <223> Artificial Sequence
 <400> 5
 ggttgcctaa tcacgagaaa 20

<210> 6
 <211> 25
 <212> DNA
 <213> Artificial
 <220>
 <223> Artificial Sequence
 <400> 6
 ccaaaggctt ggtgatttag tggac 25

<210> 7
 <211> 25
 <212> DNA
 <213> Artificial
 <220>
 <223> Artificial Sequence
 <400> 7
 ctagattgaa ggccagaaaa catgc 25

<210> 8
 <211> 19
 <212> DNA
 <213> Artificial
 <220>
 <223> Artificial Sequence
 <400> 8
 aacatcttag ggcacctg 19

<210> 9
 <211> 25
 <212> DNA
 <213> Artificial
 <220>
 <223> Artificial Sequence
 <400> 9
 aatgatttaa aatagattag gagca 25

<210> 10
 <211> 62
 <212> PRT
 <213> Homo sapiens
 <400> 10

Sequence Listing.ST25

Met Val Arg Ser Gln Val Glu Trp Lys Gly Gln Leu Ile Pro Ala Ala
1 5 10 15

Gly Ser Ala Cys Thr His Met Pro Pro Phe Ser Cys Leu Leu Thr Gly
20 25 30

Ser Ile Glu Gly Val His Asn Glu Ala Ser Cys Lys Thr Ser Pro Asn
35 40 45

Ser Arg Arg Ser Arg Asn Thr Leu His Leu Gln Arg Asn Leu
50 55 60

<210> 11
<211> 45
<212> PRT
<213> Homo sapiens

<400> 11

Met Val Arg Ser Gln Val Glu Trp Lys Gly Gln Leu Ile Pro Ala Ala
1 5 10 15

Gly Ser Ala Cys Thr His Met Pro Pro Phe Ser Cys Leu Leu Thr Gly
20 25 30

Ser Ile Glu Gly Val His Asn Glu Ala Arg Asp Gly Pro
35 40 45

<210> 12
<211> 189
<212> DNA
<213> Homo sapiens

<400> 12
atggtgagga gccaaagtga atggaaagga cagctcatcc cggcggctgg gagtgcattgc 60
acacacatgc cccctttttc ttgcctacta acaggatcta tagaaggcgt acataatgaa 120
gcaagttgca agacaagtcc aaattcaaga aggtcaagaa atacactcca tctccagaga 180
aatctatga 189

<210> 13
<211> 138
<212> DNA
<213> Homo sapiens

<400> 13
atggtgagga gccaaagtga atggaaagga cagctcatcc cggcggctgg gagtgcattgc 60
acacacatgc cccctttttc ttgcctacta acaggatcta tagaaggcgt acataatgaa 120
gcaagagatg gaccctga 138

Sequence Listing.ST25

<210> 14
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 14
cccaggaaat ccaagactca 20

<210> 15
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 15
ctccttcatc cacaattggt c 21

<210> 16
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 16
tcatcgatta gccacctctt c 21

<210> 17
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 17
tgtcaagcac aatgctaata c 21

<210> 18
<211> 23
<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 18
ggtttgatac cagagtgttc tcc 23

<210> 19
<211> 21

Sequence Listing.ST25

<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 19
gtcttatgac cagccagcaa t 21

<210> 20
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 20
gcattagcat tgtgcttgac a 21

<210> 21
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 21
ctgactctct tggatgcctg t 21

<210> 22
<211> 23
<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 22
gtcacctatt gccatataca agc 23

<210> 23
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Artificial Sequence

<400> 23
tgttggcctc agatatttca a 21

<210> 24
<211> 20
<212> DNA
<213> Artificial

Sequence Listing.ST25

<220>

<223> Artificial Sequence

<400> 24

gctgcaaaga actgtgacaa

20

<210> 25

<211> 23

<212> DNA

<213> Artificial

<220>

<223> Artificial Sequence

<400> 25

ccaaatactt ggtaagtgtg caa

23